

Title (en)

ELECTRIC SWITCHING DEVICE COMPRISING AN ARC-QUENCHING UNIT

Title (de)

ELEKTRISCHES SCHALTGERÄT MIT EINRICHTUNG ZUR LICHTBOGENLÖSCHUNG

Title (fr)

APPAREIL DE COMMUTATION ELECTRIQUE COMPRENANT UN DISPOSITIF D'EXTINCTION D'ARC

Publication

EP 1576633 B1 20090408 (DE)

Application

EP 04787223 A 20040927

Priority

- DE 20316027 U 20031018
- EP 2004052324 W 20040927

Abstract (en)

[origin: US2007045235A1] An electric switching device, designed to carry a low-voltage, in particular a circuit-breaker or contactor, having at least one arc-quenching unit (16; 18) is provided. Connection contacts (8) are mounted in a housing (2) that can be sealed by a cover (4) and switching chambers (10) are configured in the housing. To adapt the device to different current ranges, the housing (2) and cover (4) are equipped with guide and retaining elements (12, 26, 28, 30) for cooling plates (16) that can be inserted and for arc-quenching laminated cores (18) that can be interchanged with the plates.

IPC 8 full level

H01H 9/34 (2006.01); **H01H 9/36** (2006.01); **H01H 11/00** (2006.01)

CPC (source: EP US)

H01H 9/36 (2013.01 - EP US); **H01H 11/0006** (2013.01 - EP US); **H01H 9/362** (2013.01 - EP US); **H01H 2011/0093** (2013.01 - EP US)

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

US 2007045235 A1 20070301; **US 7439469 B2 20081021**; AT E428179 T1 20090415; CN 100435252 C 20081119; CN 1868017 A 20061122; DE 20316027 U1 20040115; DE 502004009309 D1 20090520; EP 1576633 A1 20050921; EP 1576633 B1 20090408; ES 2324820 T3 20090817; HK 1095425 A1 20070504; JP 2007507841 A 20070329; JP 4170363 B2 20081022; WO 2005036577 A1 20050421

DOCDB simple family (application)

US 57592204 A 20040927; AT 04787223 T 20040927; CN 200480030483 A 20040927; DE 20316027 U 20031018; DE 502004009309 T 20040927; EP 04787223 A 20040927; EP 2004052324 W 20040927; ES 04787223 T 20040927; HK 07100938 A 20070125; JP 2006530254 A 20040927